

California's Road to Recovery: Transportation Infrastructure, Vehicle and Fuel Technology Workshop

**Lynn Terry, Deputy Executive Officer
Air Resources Board**

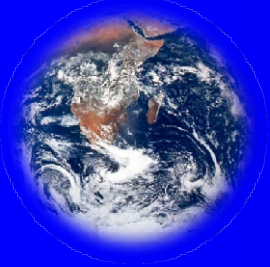
Fresno, CA

July 8, 2009

CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY



Air Resources Board



Need for Reductions

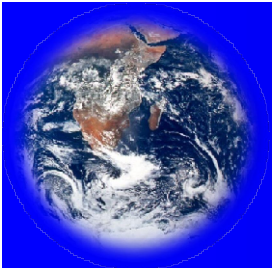
90% of
Californians at
times breathe
unhealthy air



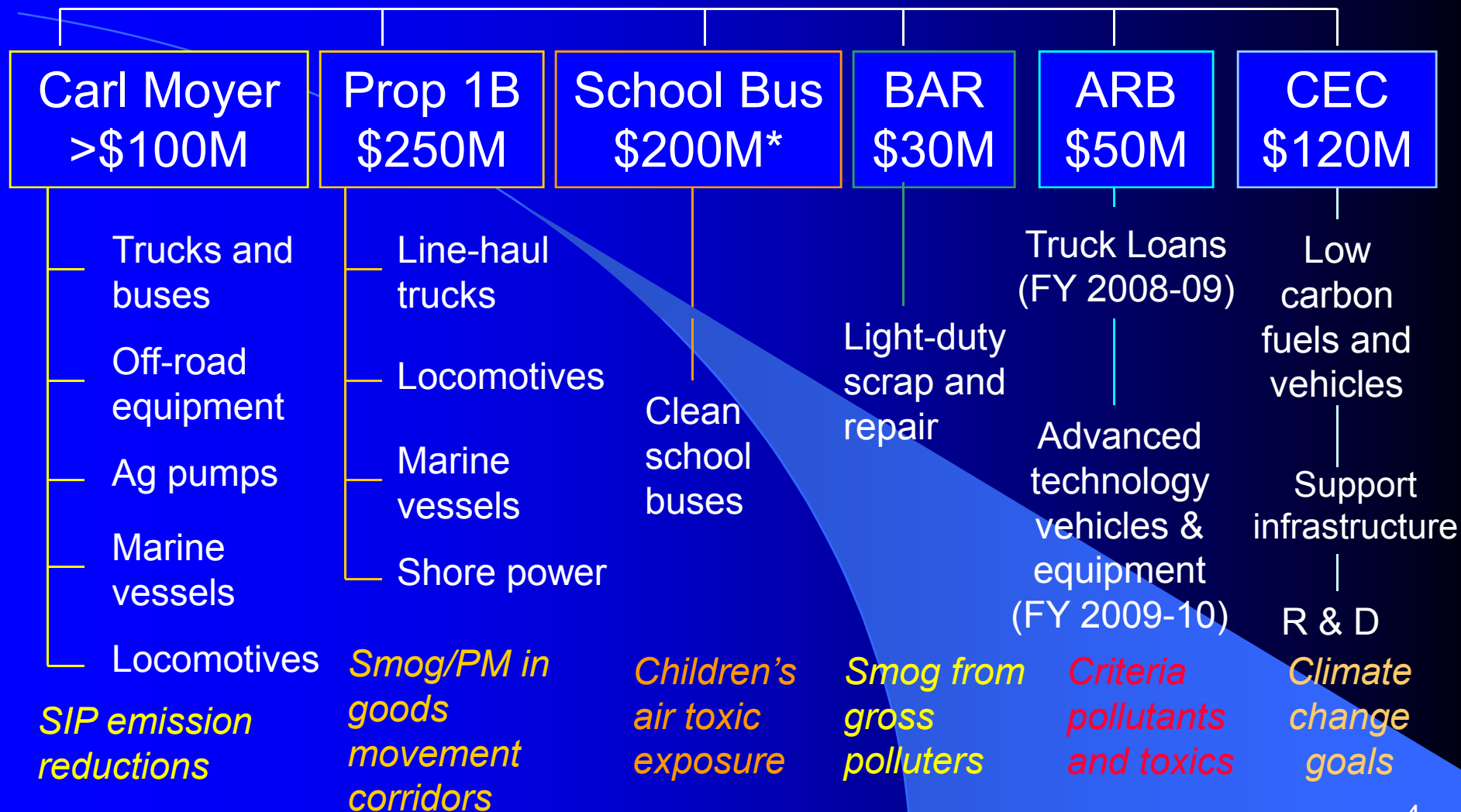


Comprehensive Diesel Regulations

- Apply to diesel vehicles and equipment operating in California – include out-of-state fleets
- Require fleet turnover to new, cleaner equipment or the installation of soot retrofits
- Essential to meet air quality requirements



\$500M+/Year CA Investment



*School bus funds only allocated in one year.



ARRA Air Quality Funding

- ARB has active role for California
 - Funds available from EPA , DOE, and DOT
- Working to maximize funding opportunities
 - Close coordination with all stakeholders
- ARRA funding complements ARB's own incentive programs



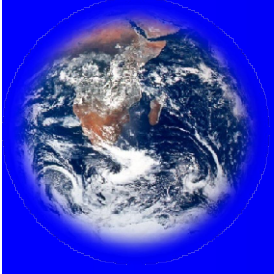
ARRA Funding through EPA

- \$300 million available through EPA's National Clean Diesel Campaign
 - Four program components
- Projects must:
 - Be ready to implement - “shovel-ready”
 - Reduce diesel emissions in densely populated areas with poor air quality
 - Promote economic recovery



ARB's Funding Proposals

- ARB submitted 7 proposals for more than \$65 million in EPA ARRA funding
- Proposals cover a broad mix of projects:
 - Switch yard locomotive repowers
 - Competitive-rate financing for off-road fleets
 - Exhaust retrofits for school buses
- Potential 1,800 + new jobs
- Air district proposals: more than 25 proposals totaling about \$160 million



State Clean Diesel Grant Award

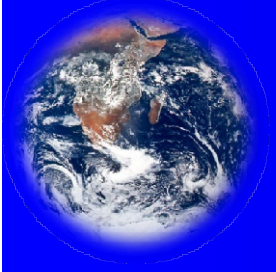
- \$1.7 million
- ~ 100 buses retrofitted this summer
- Augment ARB's Lower-Emission School Bus Program





ARRA Funding through DOE

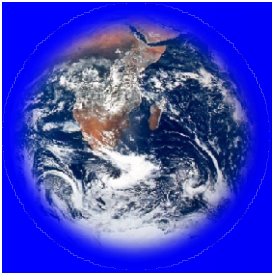
- \$700 million available through DOE's Clean Cities and Transportation Electrification Programs
- Promote alternative fuel and advanced electric drive vehicles



DOE Funding Proposals

- ARB partnership with CALSTART and Clean Cities Coalitions
- \$15 million request for ~600 heavy-duty hybrids
- Funds support U.S. “Road Ready” Hybrid Truck Deployment





DOE Funding Proposals

- ARB partners with Navistar for a hybrid electric school bus demonstration
- 200 advanced, plug-in hybrid school buses statewide



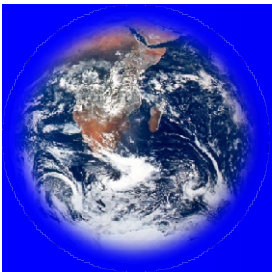
A NAVISTAR COMPANY





DOT “Cash for Clunkers”

- \$1 Billion for car scrap/replacement
- Incentives for vehicles with less than 18 miles per gallon
- New vehicle purchase only
 - \$3,500: 4 mile per gallon improvement
 - \$4,500: 10 miles per gallon improvement



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